

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

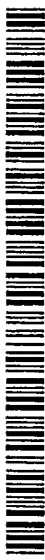


(43) International Publication Date
24 January 2002 (24.01.2002)

PCT

(10) International Publication Number
WO 02/06038 A3

- (51) International Patent Classification⁷: C08L 63/00, (NL) VERSTEGEN, Emile, J., K.; Prof. Holstlaan 6, 71/02. B44C 3/04 NL-5656 AA Eindhoven (NL).
- (21) International Application Number: PCT/EP01/08404 (74) Agent: DEGUELLE, Wilhelmus, H., G.; Internationaal Octrooibureau B.V., Prof Holstlaan 6, NL-5656 AA Eindhoven (NL).
- (22) International Filing Date: 19 July 2001 (19.07.2001)
- (25) Filing Language: English (81) Designated States (*national*): CN, JP, KR.
- (26) Publication Language: English (84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).
- (30) Priority Data: 00202548.4 19 July 2000 (19.07.2000) EP Published: — with international search report
- (71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (88) Date of publication of the international search report: 10 May 2002
- (72) Inventors: KLOOSTERBOER, Johan, G.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). TOUWSLAGER, Fredericus, J.; Prof. Holstlaan 6, NL-5656 AA Eindhoven
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 02/06038 A3

(54) Title: METHOD OF MANUFACTURING A REPLICA AS WELL AS A REPLICA OBTAINED BY CARRYING OUT A UV LIGHT-INITIATED CATIONIC POLYMERIZATION

(57) Abstract: The invention relates to a method of manufacturing a replica, which method comprises the provision of a bondable resin composition between a mold and a substrate or a blank, carrying out a curing treatment and removing the replica thus manufactured from the mold, which replica comprises the substrate and the reproduction of the mold provided thereon. The invention further relates to a replica obtained by carrying out a UV light-initiated cationic polymerization.

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

In: itional Application No

PCT/EP 01/08404

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08L63/00 C08L71/02 B44C3/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08L B44C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 890 905 A (VAN ROSMALEN GERARD E ET AL) 2 January 1990 (1990-01-02) cited in the application claims	1
A	--- PATENT ABSTRACTS OF JAPAN vol. 013, no. 278 (C-611), 26 June 1989 (1989-06-26) & JP 01 075580 A (NITTO ELECTRIC IND. CO LTD), 22 March 1989 (1989-03-22) abstract	1
A	--- PATENT ABSTRACTS OF JAPAN vol. 1999, no. 10, 31 August 1999 (1999-08-31) & JP 11 140110 A (UENO HIROSHI), 25 May 1999 (1999-05-25) abstract	1
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

12 December 2001

Date of mailing of the international search report

11/01/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Deraedt, G

INTERNATIONAL SEARCH REPORT

In tional Application No

PCT/EP 01/08404

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 411 (P-779), 31 October 1988 (1988-10-31) & JP 63 148444 A (HITACHI CHEM CO LTD), 21 June 1988 (1988-06-21) abstract ---	1
A	DATABASE WPI Section Ch, Week 199519 Derwent Publications Ltd., London, GB; Class A32, AN 1995-144220 XP002185386 & JP 07 068568 A (OLYMPUS OPTICAL CO LTD), 14 March 1995 (1995-03-14) abstract ---	1
A	GB 1 388 536 A (RECH ARTISTIQUES GRAPH ET) 26 March 1975 (1975-03-26) page 5, line 49 - line 70; claims ---	1
A	HONG-BING WANG ET AL: "ASSESSMENT OF RESIDUAL STRESSES DURING CURE AND COOLING OF EPOXY RESINS" POLYMER ENGINEERING & SCIENCE, SOCIETY OF PLASTICS ENGINEERS, US, vol. 35, no. 23, 15 December 1995 (1995-12-15), pages 1895-1898, XP000583156 ISSN: 0032-3888 page 1898 ---	1
A	US 3 748 202 A (IISAKA Y ET AL) 24 July 1973 (1973-07-24) column 5, line 6 -column 7, line 58; claims -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

In tional Application No

PCT/EP 01/08404

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4890905	A	02-01-1990	NL 8501665 A	02-01-1987
			NL 8502225 A	02-01-1987
			AT 56299 T	15-09-1990
			AU 5850386 A	18-12-1986
			AU 585770 B2	22-06-1989
			AU 5850486 A	18-12-1986
			BR 8602670 A	03-02-1987
			CA 1263747 A1	05-12-1989
			CN 86104346 A ,B	01-07-1987
			CN 86104848 A ,B	27-05-1987
			CS 8604233 A2	12-07-1989
			DE 3662349 D1	20-04-1989
			DE 3673885 D1	11-10-1990
			EP 0206396 A1	30-12-1986
			EP 0206397 A1	30-12-1986
			ES 555805 D0	01-10-1987
			ES 8708267 A1	16-12-1987
			HK 92091 A	22-11-1991
			HU 44110 A2	28-01-1988
			JP 62000901 A	06-01-1987
			JP 1822533 C	10-02-1994
			JP 5035485 B	26-05-1993
			JP 62003438 A	09-01-1987
			KR 9410944 B1	19-11-1994
			SG 50391 G	23-08-1991
			SG 52690 G	31-08-1990
			RU 2037860 C1	19-06-1995
			US 4638471 A	20-01-1987
			YU 98086 A1	31-12-1989
JP 01075580	A	22-03-1989	JP 1894752 C	26-12-1994
			JP 6023344 B	30-03-1994
JP 11140110	A	25-05-1999	NONE	
JP 63148444	A	21-06-1988	NONE	
JP 7068568	A	14-03-1995	NONE	
GB 1388536	A	26-03-1975	FR 2177481 A1	09-11-1973
			BE 796538 A1	02-07-1973
			DD 106982 A5	12-07-1974
			DE 2311863 A1	13-09-1973
			IT 983525 B	11-11-1974
			JP 940828 C	20-02-1979
			JP 48102859 A	24-12-1973
			JP 53016410 B	01-06-1978
			NL 7303188 A	12-09-1973
US 3748202	A	24-07-1973	JP 49000447 B	08-01-1974
			CH 527071 A	31-08-1972
			DE 2018699 A1	05-11-1970
			DE 2065877 A1	26-08-1976
			FR 2043210 A5	12-02-1971
			GB 1298901 A	06-12-1972
			US 4001062 A	04-01-1977

BEST AVAILABLE COPY